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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/912,296	07/26/2001	Shun-Ping Wang	WANG3034/EM/7046	4976
23364	7590	09/21/2004	EXAMINER	
BACON & THOMAS, PLLC 625 SLATERS LANE FOURTH FLOOR ALEXANDRIA, VA 22314				KNOLL, CLIFFORD H
		ART UNIT		PAPER NUMBER
		2112		

DATE MAILED: 09/21/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Advisory Action	Application No.	Applicant(s)	
	09/912,296	WANG, SHUN-PING	
	Examiner	Art Unit	
	Clifford H Knoll	2112	

--The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

THE REPLY FILED 17 August 2004 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE. Therefore, further action by the applicant is required to avoid abandonment of this application. A proper reply to a final rejection under 37 CFR 1.113 may only be either: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114.

PERIOD FOR REPLY [check either a) or b)]

a) The period for reply expires 3 months from the mailing date of the final rejection.
 b) The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.
 ONLY CHECK THIS BOX WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

1. A Notice of Appeal was filed on _____. Appellant's Brief must be filed within the period set forth in 37 CFR 1.192(a), or any extension thereof (37 CFR 1.191(d)), to avoid dismissal of the appeal.
 2. The proposed amendment(s) will not be entered because:
 (a) they raise new issues that would require further consideration and/or search (see NOTE below);
 (b) they raise the issue of new matter (see Note below);
 (c) they are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or
 (d) they present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: amendment is non-compliant, see attached.

3. Applicant's reply has overcome the following rejection(s): _____.
 4. Newly proposed or amended claim(s) ____ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).
 5. The a) affidavit, b) exhibit, or c) request for reconsideration has been considered but does NOT place the application in condition for allowance because: see attached.
 6. The affidavit or exhibit will NOT be considered because it is not directed SOLELY to issues which were newly raised by the Examiner in the final rejection.
 7. For purposes of Appeal, the proposed amendment(s) a) will not be entered or b) will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.

The status of the claim(s) is (or will be) as follows:

Claim(s) allowed: _____. *Khanh Dang*

Claim(s) objected to: _____. *Khanh Dang*

Claim(s) rejected: _____. *Khanh Dang*

Claim(s) withdrawn from consideration: _____. *Khanh Dang*

8. The drawing correction filed on ____ is a) approved or b) disapproved by the Examiner.
 9. Note the attached Information Disclosure Statement(s) (PTO-1449) Paper No(s). _____.
 10. Other: _____. *Khanh Dang*

Khanh Dang
Primary Examiner

Response to Arguments

Applicant argues that the present invention distinguishes devices as each including the *same* data transmission software, while devices disclosed in Suisse each include *different* transmission software. Applicant further argues that the division in data claimed is into units of “predetermined size” while Suisse discloses division into a size dependent on the “type of network over which the data is to be transmitted” (p. 5). In both distinctions, irrespective of the recitation that supports the distinctions, the issue hinges on whether Suisse provides sufficient disclosure of same, or homogeneous data transmission. Heterogeneous transmission features in Suisse’s preferred embodiment; however, it is clear, and explicitly stated, that homogeneous transmission is also contemplated: “The message fragments could also be sent via multiple transmitting sources using the same air interfaces (a homogeneous transmission technique)” (paragraph 38).

Applicant further argues that “fragmentation of data in Suisse is carried out by a single mobile phone or proxy server, and not by one of a plurality for communications device each having ‘the’ data transmission software”; however, Suisse discloses fragmenting the message and the transmission of the fragments to the slave devices “according to a predefined rule” (para. 51, cited in the previous Office Action). The rule as implemented in the processor of Suisse disposes the fragmentation process as a master which communicates to designated slave devices. The recitation supports no distinction from this interpretation of Suisse.

Regarding claim 3, Applicant argues that while Green “teaches use of a USB cable, the USB cable is not used to connect transmission devices in the manner claimed, while Suisse discloses a variety of different formats in local area mode, none of which involves USB” (p. 9). As discussed above, Suisse discloses both different and same formats in various embodiments. Examiner concurs that Suisse does not disclose the use of USB to communicate with local devices, but that is simply because Suisse in his preferred embodiment discloses communication between software configurable devices. The use of physical cable formats to transfer information between devices is quite widely known and appreciated, and further, Green contemplates the use of a physical cable, in particular a USB cable, to transmit data between transmission devices such as those of Suisse, who embodies them primarily in software. Thus the use of Green to disclose the particular use of the USB cable in the claimed invention is considered proper and the motivation to combine appropriate.

Thus the rejection is maintained.

Notice of Non-Compliance

The amendment to the claims filed on 8/17/2004 does not comply with the requirements of 37 CFR 1.121(c) because the status of claim 2 is missing.

Amendments to the claims filed on or after July 30, 2003 must comply with 37 CFR 1.121(c) which states:

(c) *Claims.* Amendments to a claim must be made by rewriting the entire claim with all changes (e.g., additions and deletions) as indicated in this subsection, except when the claim is being canceled. Each amendment document that includes a change to an existing claim, cancellation of an existing claim or addition of a new claim, must include a complete listing of all claims ever presented, including the text of all pending and withdrawn claims, in the application. The claim listing, including the text of the claims, in the amendment document will serve to replace all prior versions of the claims, in the application. In the claim listing, the status of every claim must be indicated after its claim number by using one of the following identifiers in a parenthetical expression: (Original), (Currently amended), (Canceled), (Withdrawn), (Previously presented), (New), and (Not entered).

(1) *Claim listing.* All of the claims presented in a claim listing shall be presented in ascending numerical order. Consecutive claims having the same status of "canceled" or "not entered" may be aggregated into one statement (e.g., Claims 1–5 (canceled)). The claim listing shall commence on a separate sheet of the amendment document and the sheet(s) that contain the text of any part of the claims shall not contain any other part of the amendment.

(2) *When claim text with markings is required.* All claims being currently amended in an amendment paper shall be presented in the claim listing, indicate a status of "currently amended," and be submitted with markings to indicate the changes that have been made relative to the immediate prior version of the claims. The text of any added subject matter must be shown by underlining the added text. The text of any deleted matter must be shown by strike-through except that double brackets placed before and after the deleted characters may be used to show deletion of five or fewer consecutive characters. The text of any deleted subject matter must be shown by being placed within double brackets if strike-through cannot be easily perceived. Only claims having the status of "currently amended," or "withdrawn" if also being amended, shall include markings. If a withdrawn claim is currently amended, its status in the claim listing may be identified as "withdrawn—currently amended."

(3) *When claim text in clean version is required.* The text of all pending claims not being currently amended shall be presented in the claim listing in clean version, *i.e.*, without any markings in the presentation of text. The presentation of a clean version of any claim having the status of "original," "withdrawn" or "previously presented" will constitute an assertion that it has not been changed relative to the immediate prior version, except to omit markings that may have been present in the immediate prior version of the claims of the status of "withdrawn" or "previously presented." Any claim added by amendment must be indicated with the status of "new" and presented in clean version, *i.e.*, without any underlining.

(4) *When claim text shall not be presented; canceling a claim.*

(i) No claim text shall be presented for any claim in the claim listing with the status of "canceled" or "not entered."

(ii) Cancellation of a claim shall be effected by an instruction to cancel a particular claim number. Identifying the status of a claim in the claim listing as "canceled" will constitute an instruction to cancel the claim.

(5) *Reinstatement of previously canceled claim.* A claim which was previously canceled may be reinstated only by adding the claim as a "new" claim with a new claim number.

Applicant should submit amendment in compliance with 37 CFR 1.121 before authorization to enter can be given by Examiner.